

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Tsujimoto et al.
 Appl. No.: 09/284,222
 Filed: July 22, 1999
 Conf. No.: 2037
 Title: NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
 Art Unit: 1745
 Examiner: T. Dove
 Docket No.: 113184-003

Commissioner for Patents
 Washington, DC 20231

Do Not Enter
OK to Enter

RESPONSE TO OFFICE ACTION

FAX REC'D
 APR 15 2003
 GROUP 1

In response to the Office Action dated December 18, 2002, please amend the above-identified patent application as follows:

In the Claims:

Please amend claim 7 as follows:

7. (Four Times Amended) A nonaqueous electrolyte secondary battery comprising:
 - a positive electrode comprising a first positive electrode layer, a second positive electrode layer and a positive electrode collector disposed between the first positive electrode layer and the second positive electrode layer;
 - a negative electrode comprising a binder and an active material, the binder comprising a mixture of a fluorine polymer and an aromatic vinyl-conjugate diene polymer, the active material comprising a carbonaceous material wherein the binder comprises a weight mixture ratio of the fluorine polymer to the aromatic vinyl-conjugate diene polymer that ranges from about 1 to about 99 and wherein the binder comprises from about 10 weight percent to about 15 weight percent of a total weight of the negative electrode, and wherein the negative electrode comprises a first negative electrode layer, a second negative electrode layer and a negative electrode collector disposed between the first negative electrode layer and the second negative electrode layer; and